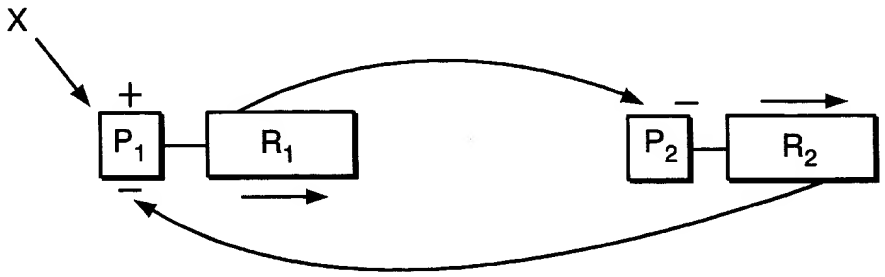


FIG. 1A

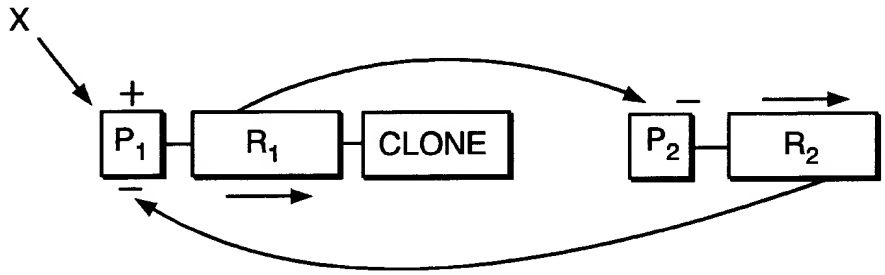


FIG. 1B

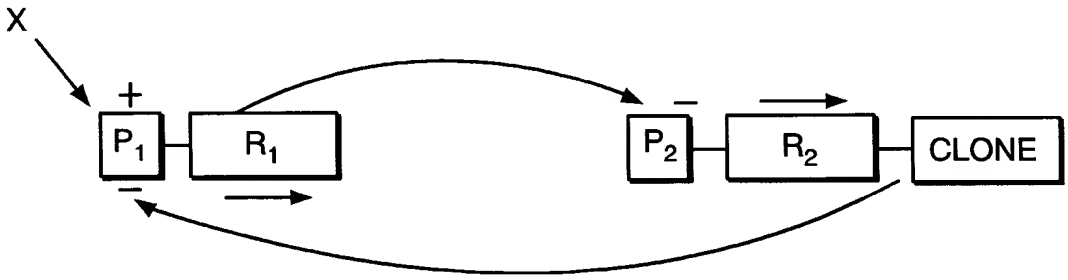


FIG. 1C

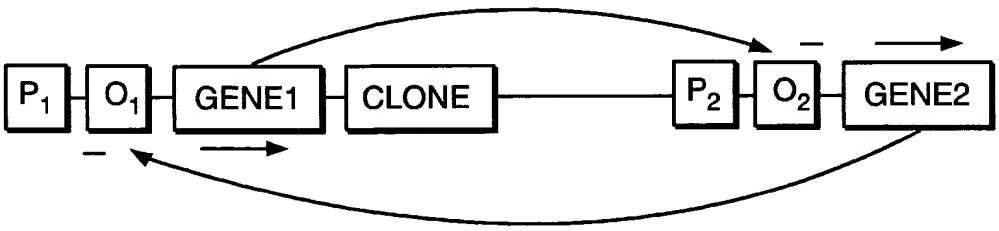


FIG. 2

PATENT "020529804

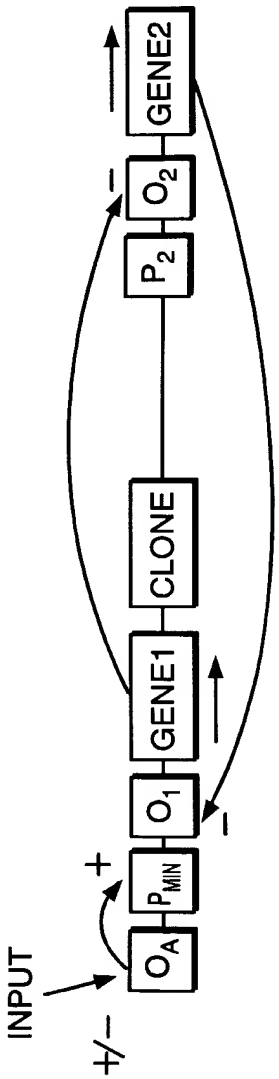


FIG. 3A

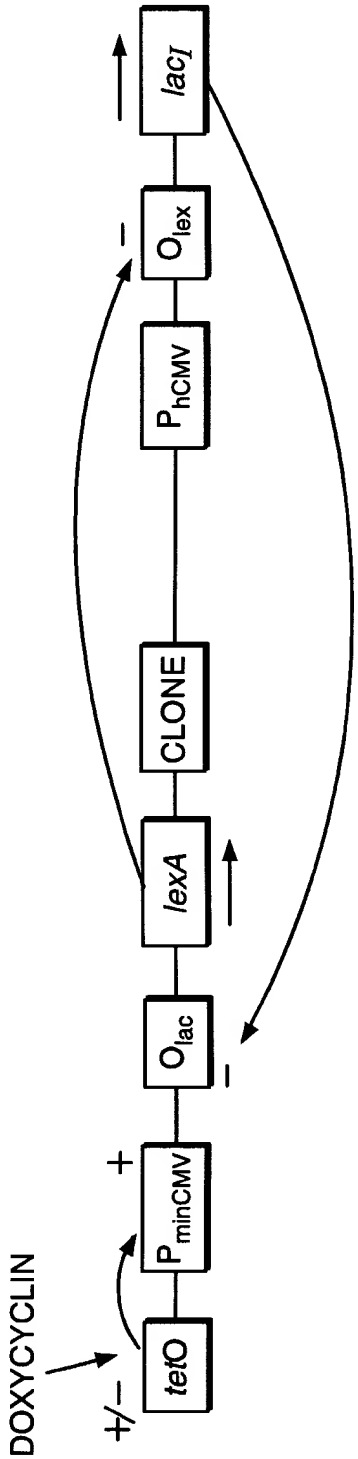


FIG. 3B

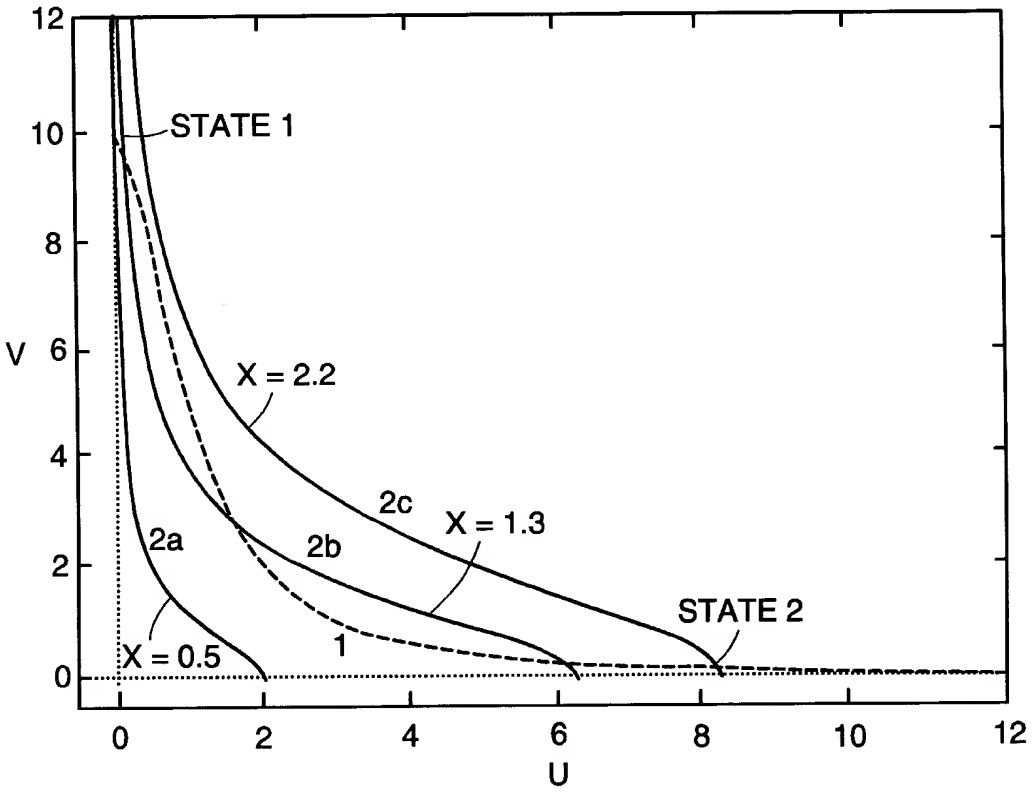


FIG. 4

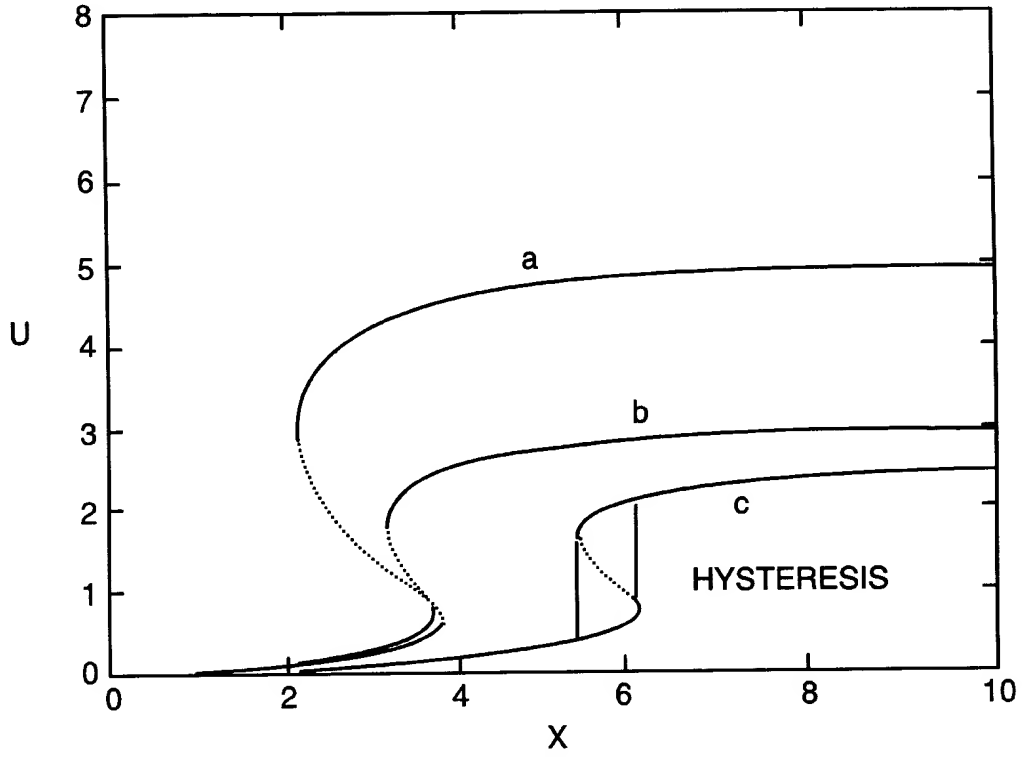

U
X
a
b
c
HYSTERESIS
0
1
2
3
4
5
6
7
8
0
2
4
6
8
10

FIG. 5A

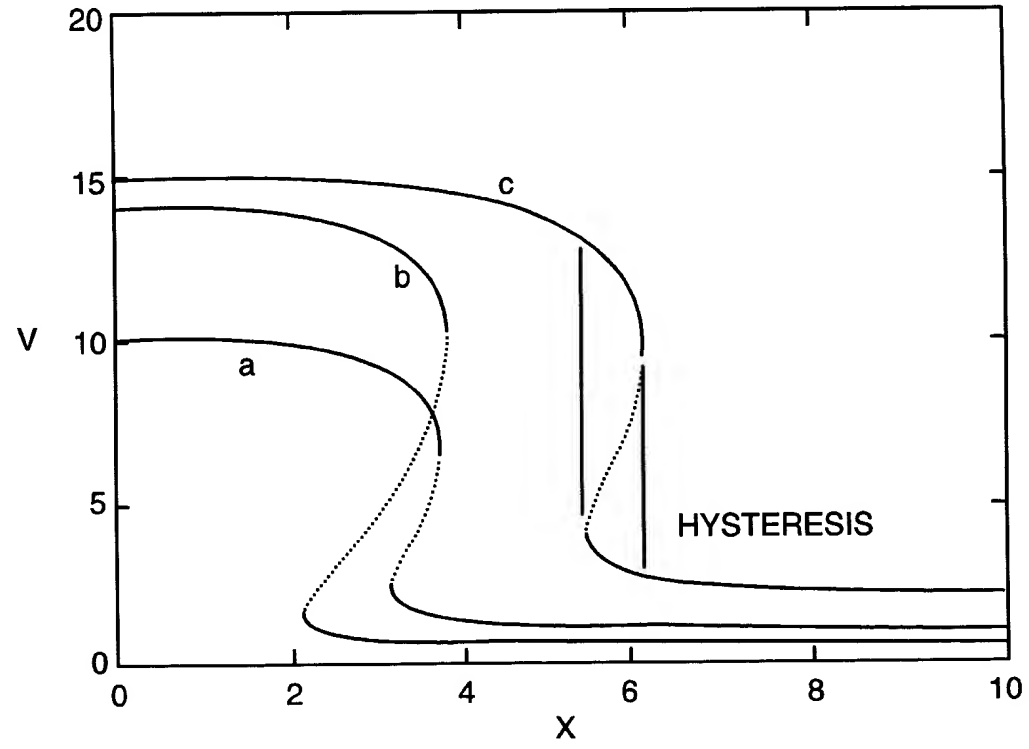

V
X
a
b
c
HYSTERESIS
0
5
10
15
20
0
2
4
6
8
10

FIG. 5B

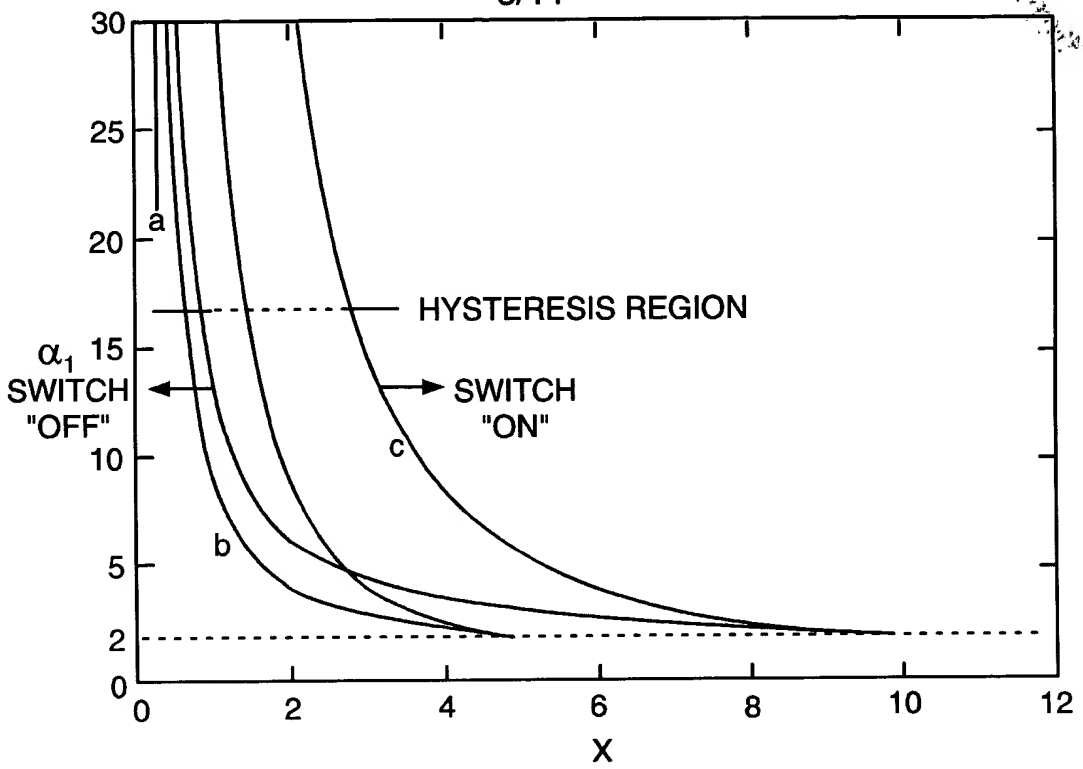

30
25
20
15
10
5
2
0
a
b
c
HYSTERESIS REGION
α_1
SWITCH "OFF"
SWITCH "ON"
0
2
4
6
8
10
12
X

FIG. 6A

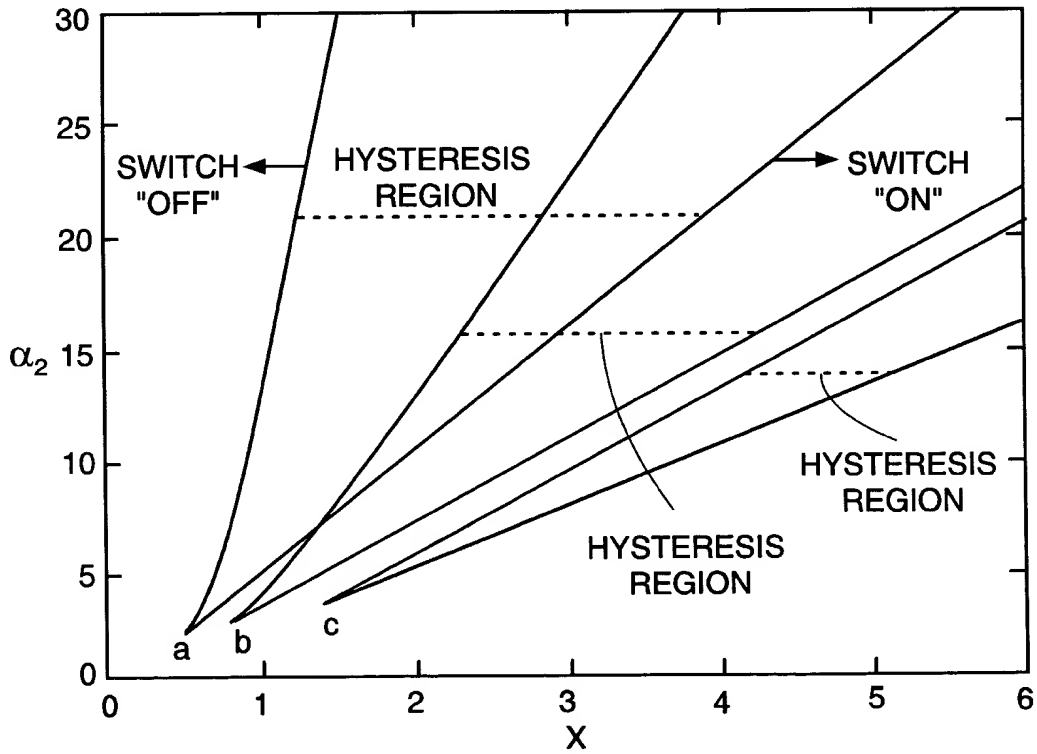

30
25
20
15
10
5
0
SWITCH "OFF"
HYSTERESIS REGION
SWITCH "ON"
α_2
HYSTERESIS REGION
HYSTERESIS REGION
a
b
c
0
1
2
3
4
5
6
X

FIG. 6B

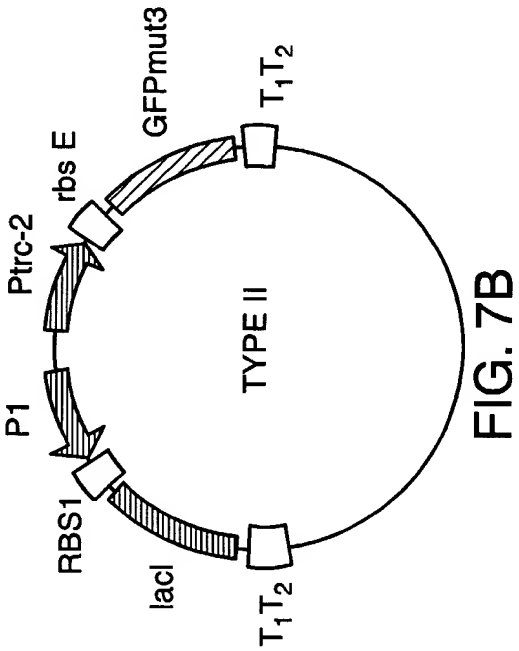


FIG. 7A

FIG. 7B

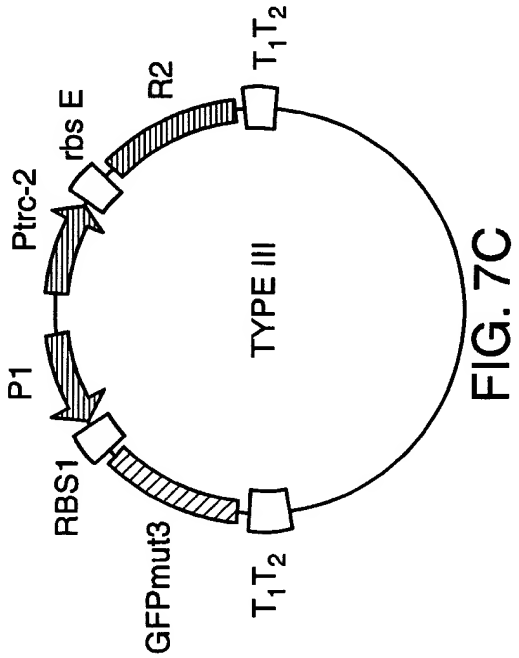


FIG. 7D

FIG. 7C

Title: ADJUSTABLE THRESHOLD SWITCH
Inventor(s): Gardner et al.
Serial No. 09/872,339
Atty Docket No. CEL-003
Atty/Agent: Patrick R.H. Waller/kkh

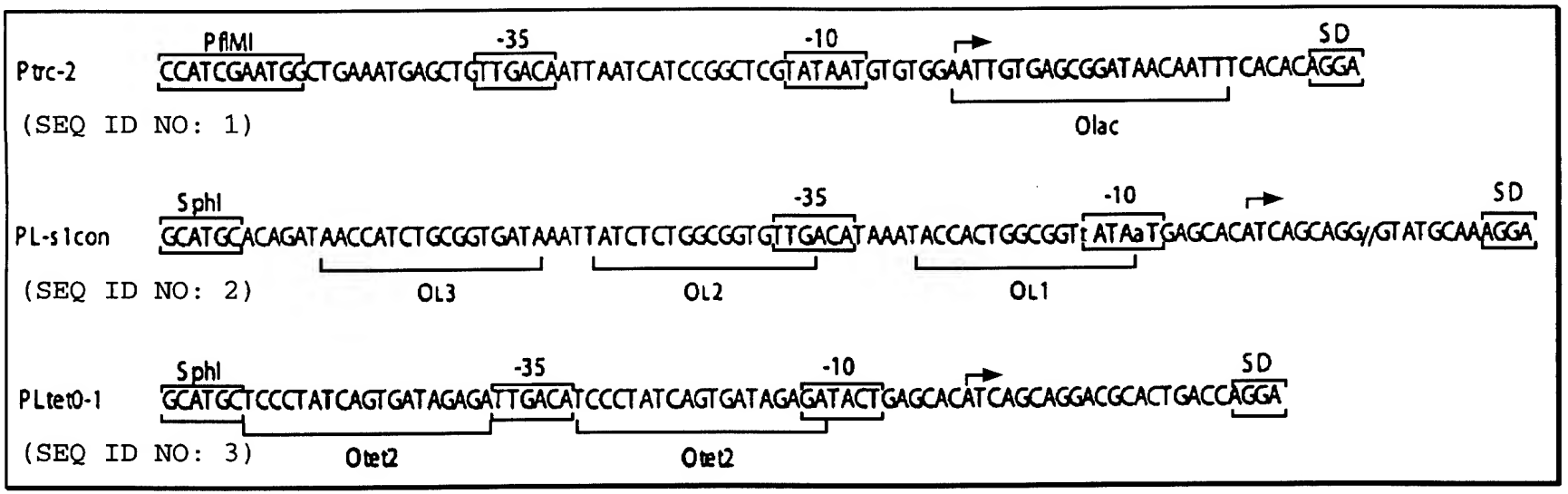


FIG. 8A

A	AGGAGGAAAAAAATG	(SEQ ID NO: 4)
B	AGGAATTTAAATG	(SEQ ID NO: 5)
C	AGGAAACAGACCATG	(SEQ ID NO: 6)
D	AGGAAACCGGTTCGATG	(SEQ ID NO: 7)
E	AGGAAACCGGTTATG	(SEQ ID NO: 8)
F	AGGACGGTTCGATG	(SEQ ID NO: 9)
G	AGGAAAGGCCTCGATG	(SEQ ID NO: 10)
H	AGGACGGCCGGATG	(SEQ ID NO: 11)

FIG. 8B

Express Mail No. EL 992 760 760 US

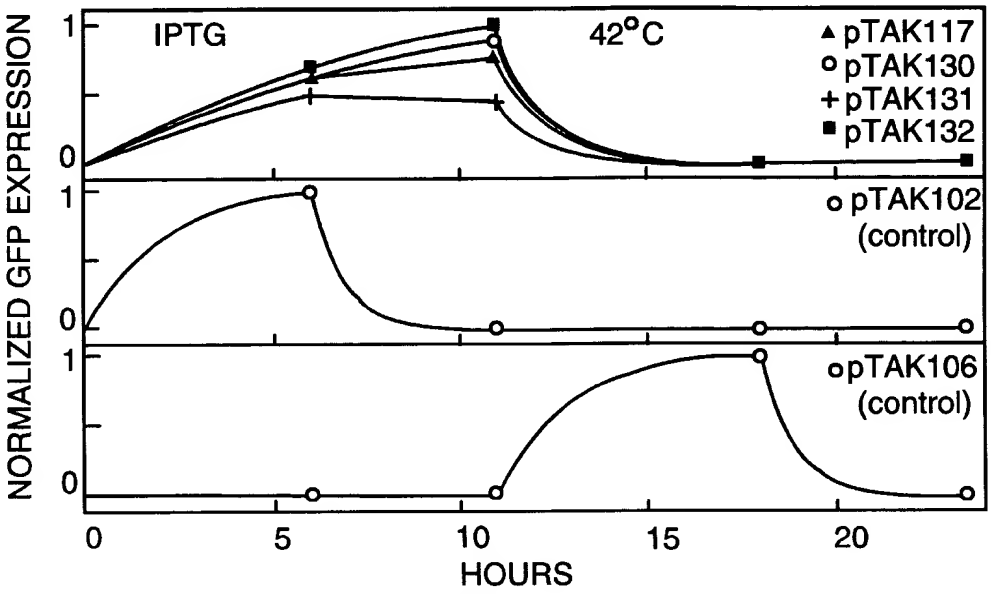

IPTG
42°C
▲ pTAK117
o pTAK130
+ pTAK131
■ pTAK132
o pTAK102
(control)
opTAK106
(control)
NORMALIZED GFP EXPRESSION
1
0
0
5
10
15
20
HOURS

FIG. 9A

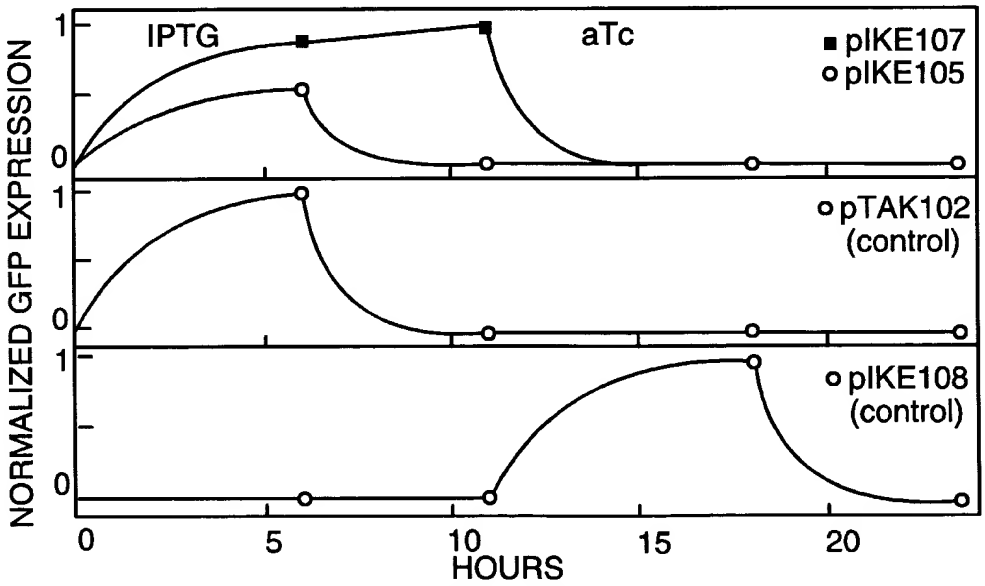

IPTG
aTc
■ pIKE107
o pIKE105
o pTAK102
(control)
o pIKE108
(control)
NORMALIZED GFP EXPRESSION
1
0
0
5
10
15
20
HOURS

FIG. 9B

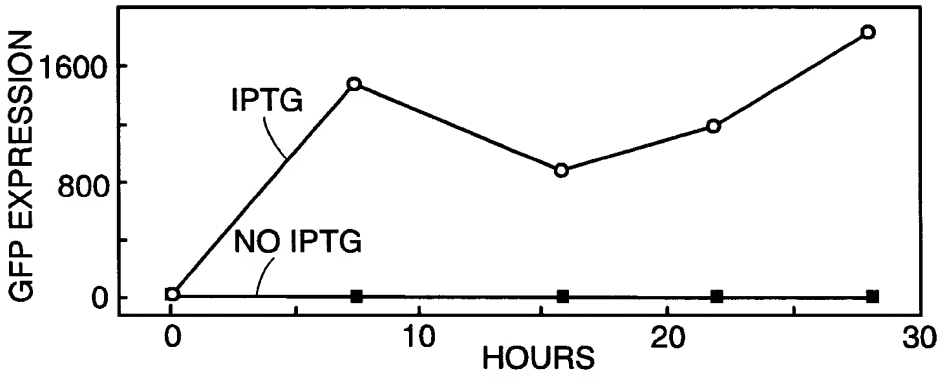


FIG. 9C

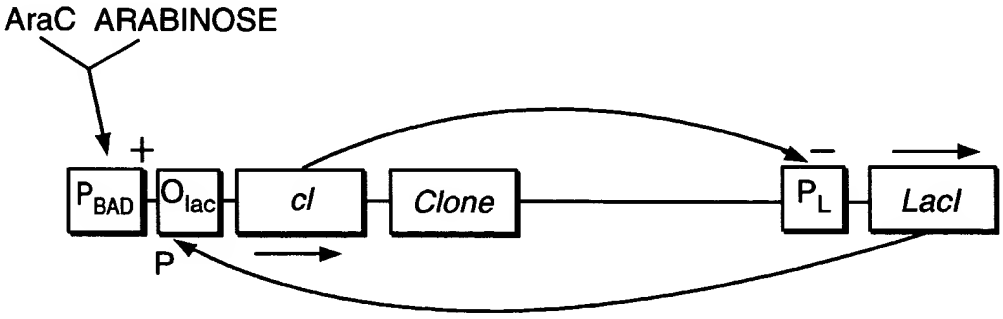
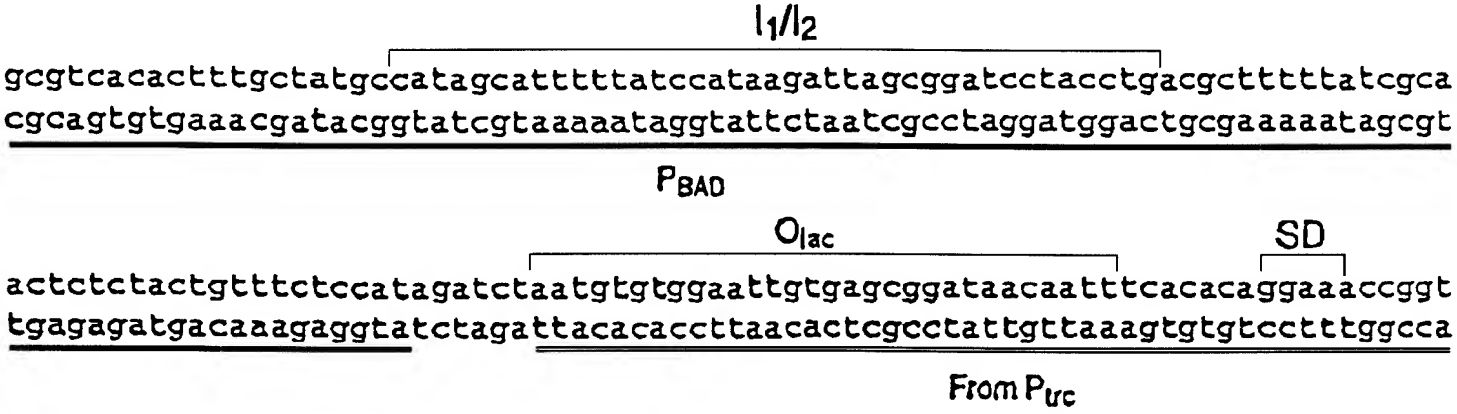


FIG. 10A

Title: ADJUSTABLE THRESHOLD SWITCH
Inventor(s): Gardner et al.
Serial No. 09/872,339
Atty Docket No. CEL-003
Atty/Agent: Patrick R.H. Waller/kkh



(SEQ ID NO: 12)

FIG. 10B